



Z H O N E

4800 Express IP DSLAM

4821-A2-xxx

- ✓ *Compact 1U
12-port/24-port/48-port
form factor with universal
mounting brackets and AC
power*
- ✓ *IEEE 802.1p prioritization
for voice and data
applications*
- ✓ *IEEE 802.1Q VLAN*
- ✓ *ADSL for robust
cost-effective high
bandwidth applications*
- ✓ *Web, CLI, Telnet
Management Interfaces*
- ✓ *Supports plug 'n' play CPE
and customer
self-installation processes*
- ✓ *Fully compliant with
industry standard ADSL
POTS splitters*

AC Powered IP Mini DSLAM with 10/100BaseT Uplink; Enables Cost Effective HSIA & VoIP applications for In-building and Campus Deployments

Optimized for the Hospitality, MxU and Campus environment, the BitStorm 4800 and BitStorm 4800 Express platforms provide cost-effective, robust, secure access networks for hotels, timeshares, apartment buildings, condos, dormitories, hospitals, and other campus deployments

The BitStorm 4800 Express product is ideal for deployment of cost-effective High Speed Internet Access (HSIA) service. The BitStorm 4800 Express is an ADSL solution that provides robust, secure HSIA in a very affordable package that uses the existing in-building twisted-pair wiring, assuring rapid and cost-effective deployment.

Technical Specifications

Dimensions

- 1.75in (4.4 cm or 1U) H x 17.2in (43.7 cm) W x 16.3 (41.4 cm) D
- Fits in 19" or 23" racks

Weight

- 10.7/11.2 lbs

Power

- Power Requirements: 90 – 265 VAC, 47 – 63Hz.
- Power Consumption: 26/40 watts

Interfaces

- LEDs (Alarm, Test and Port Status)
- Alarm Relay contact
- WAN Interface - 10/100 Base-T
- Management - 10/100Base-T
- Modem port (craft interface) - EIA-232 (DB9)
- Console port (craft interface) - EIA-232 (DB9)
- 50-pin AMP connectors (2) for local loop
- Power connector - IEC60320 standard recessed AC plug 3-prong receptacle

Standards Support

- ANSI T1.413i2, G.992.1 (Annex A), G.992.2
- IEEE 802.1D Bridging
- IEEE 802.1Q VLAN tagging
- IEEE 802.3u Fast Ethernet, 100 Base-T Standard, 1995.
- RFC 791 Internet Protocol
- RFC 792 Internet Control Management Protocol
- RFC 793 Transmission Control Protocol
- RFC 854 Telnet Protocol Specification
- RFC 959 File Transfer Protocol
- RFC 2616 Hyper Text Transfer Protocol, HTTP/1.1
- RFC 2684 Multiprotocol Encapsulation o/AAL5
- RFC 2878 Network Control Protocol

Protocol Support

- RFC1483/2684 Bridged Encapsulation
- IEEE 802.1Q VLAN
- IEEE 802.1p Priority Output Queuing
- MAC Address filtering
- Host Address filtering

Management

- Telnet, CLI, HTTP, SNMP
- MIBs Supported:
 - RFC1213 MIB-II
 - RFC1471 Link Control Protocol MIB
 - RFC1493 Bridge MIB
 - RFC1659 RS-232-like MIB
 - RFC1907 SNMPv2 MIB
 - RFC2011 SNMPv2 IP MIB
 - RFC2096 IP Forwarding Table MIB
 - RFC2515 ATM MIB
 - RFC2662 ADSL MIB
 - RFC2665 Ethernet-like Interface MIB
 - RFC2668 IEEE 802.3 MAU MIB
 - RFC2674 Traffic Classes MIB for Bridges
 - RFC2737 Entity MIB (Version 2)
 - RFC2863 The Interfaces Group MIB

Bandwidth/Distance

- Simultaneous voice & high-speed data up to 8 Mbps downstream, 1024 Kbps upstream
- Actual rates vary by loop length and quality
- Rates also dependent on endpoint capabilities

Regulatory Compliance

- EN55022 (1998) (CISPR22),
- VCCI Class A, AS/NZS 3548 Class A
- ICES-003
- EN 61000-3-2 and EN 61000-3-3
- FCC CFR 47, Part 68
- EN60950
- UL1950
- CSA C22.2 No. 950-95
- Canada CS-03

Operating Requirements

- Operating Temperature: 0° – 50° C
- Storage Temperature: – 40°C to 80°C
- Relative Humidity: 15 – 95%

Ordering Information

4821-A2-417	12 Port ADSL, 10/100 BaseT, AC Power, N.A. cord
4821-A2-427	24 Port ADSL, 10/100 BaseT, AC Power, N.A. cord
4821-A2-428	24 Port ADSL, 10/100 BaseT, AC Power, UK cord
4821-A2-429	24 Port ADSL, 10/100 BaseT, AC Power, EURO cord
4821-A2-447	48 Port ADSL, 10/100 BaseT, AC Power, N.A. cord
4821-A2-448	48 Port ADSL, 10/100 BaseT, AC Power, UK cord
4821-A2-449	48 Port ADSL, 10/100 BaseT, AC Power, EURO cord



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